

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL 6-15	UNITS	72
20100210	TREE REMOVAL OVER 15 UNITS	UNITS	24
*20200100	EARTH EXCAVATION	CU. YD.	938
20300100	CHANNEL EXCAVATION	CU. YD.	354
*25000200	SEEDING, CLASS 2	ACRE	0.9
25000400	NITROGEN FERTILIZER NUTRIENTS	POUND	81
25000500	PHOSPHORUS FERTILIZER NUTRIENTS	POUND	81
25000600	POTASSIUM FERTILIZER NUTRIENTS	POUND	81
*25100115	MULCH METHOD 2	ACRE	0.9
25100630	EROSION CONTROL BLANKET	SQ. YD.	149
*28100807	STONE DUMPED RIPRAP, CLASS A4	TON	376
X 2800519	STONE DUMPED RIPRAP, CLASS A4 (SPECIAL)	TON	176
28200100	FILTER FABIC FOR USE WITH RIPRAP	SQ. YD.	483
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100
28000300	TEMPORARY DITCH CHECKS	EACH	4
28000400	PERIMETER EROSION BARRIER	FOOT	285
*40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	555
*50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU. YD.	70
50300225	CONCRETE STRUCTURES	CU. YD.	20.4
*50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ. FT.	1464
50800105	REINFORCEMENT BARS	POUND	2380
50900205	STEEL RAILING, TYPE S1	FOOT	125
51201400	FURNISHING STEEL PILES HP 10 x 42	FOOT	204
51202700	DRIVING STEEL PILES	FOOT	204
51203400	TEST PILES STEEL HP 10 x 42	EACH	2
51204315	CONCRETE ENCASEMENT	CU. YD.	2.1
51500100	NAME PLATES	EACH	1

\* SEE SPECIAL PROVISIONS

**GENERAL NOTES**

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

ALL DISTURBED EARTH SURFACES WITHIN THE LIMITS OF THE RIGHT-OF-WAY AND EASEMENTS SHALL BE SEEDDED AS DIRECTED BY THE ENGINEER.

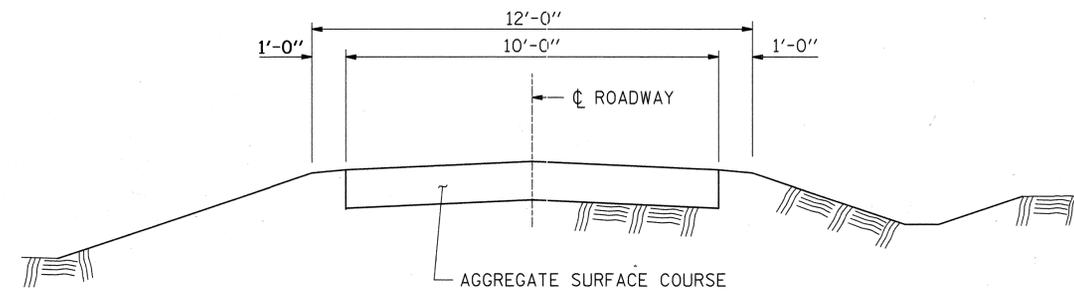
**ESTIMATED QUANTITIES**

ITEM	RATE OF APPLICATION	QUANTITIES
SEEDING CLASS 2	= ART. 250.07	= 0.9 ACRES
NITROGEN FERTILIZER NUTRIENTS	= 90 LBS./ACRE	= 81 POUNDS
PHOSPHORUS FERTILIZER NUTRIENTS	= 90 LBS./ACRE	= 81 POUNDS
POTASSIUM FERTILIZER NUTRIENTS	= 90 LBS./ACRE	= 81 POUNDS
MULCH METHOD 2		= 0.9 ACRES

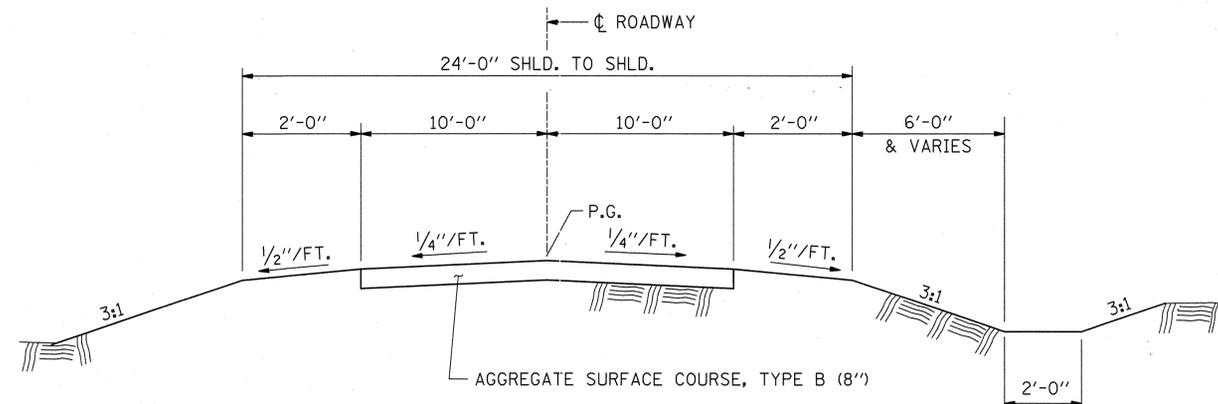
THE SEEDING MIXTURE SHALL CONFORM TO ROADSIDE MIXTURE TYPE 2, DURING THE PERIOD BETWEEN NOVEMBER 1, AND DECEMBER 31. THE CONTRACTOR SHALL SUBSTITUTE 10 POUNDS OF PERENNIAL RYE FOR 48 POUNDS OF OATS, SPRING.

**EARTHWORK SUMMARY**

EARTH EXCAVATION = 938 CU. YD.  
 CHANNEL EXCAVATION = 354 CU. YD.  
 TOTAL FILL REQUIRED = 568 CU. YD.  
 \*ESTIMATE OF FILL FROM EARTH EX. = 568 CU. YD.  
 ESTIMATE OF FILL FROM CHANNEL EX. = 0 CU. YD.  
 FURNISHED EXCAVATION REQUIRED = 0 CU. YD.  
 \*25% SHRINKAGE FACTOR APPLIED

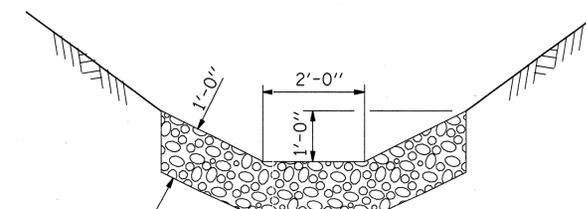


**EXISTING TYPICAL CROSS SECTION**



**PROPOSED TYPICAL SECTION T.R. 14**

(<150 A.D.T.)  
 LOCAL ROAD DESIGN



**RIP-RAP DITCH**

(NO BEDDING OR FILTER FABRIC)  
 LEFT STA. 4+00 TO STA. 6+50  
 RIGHT STA. 4+00 TO STA. 6+00